

FIG. 1

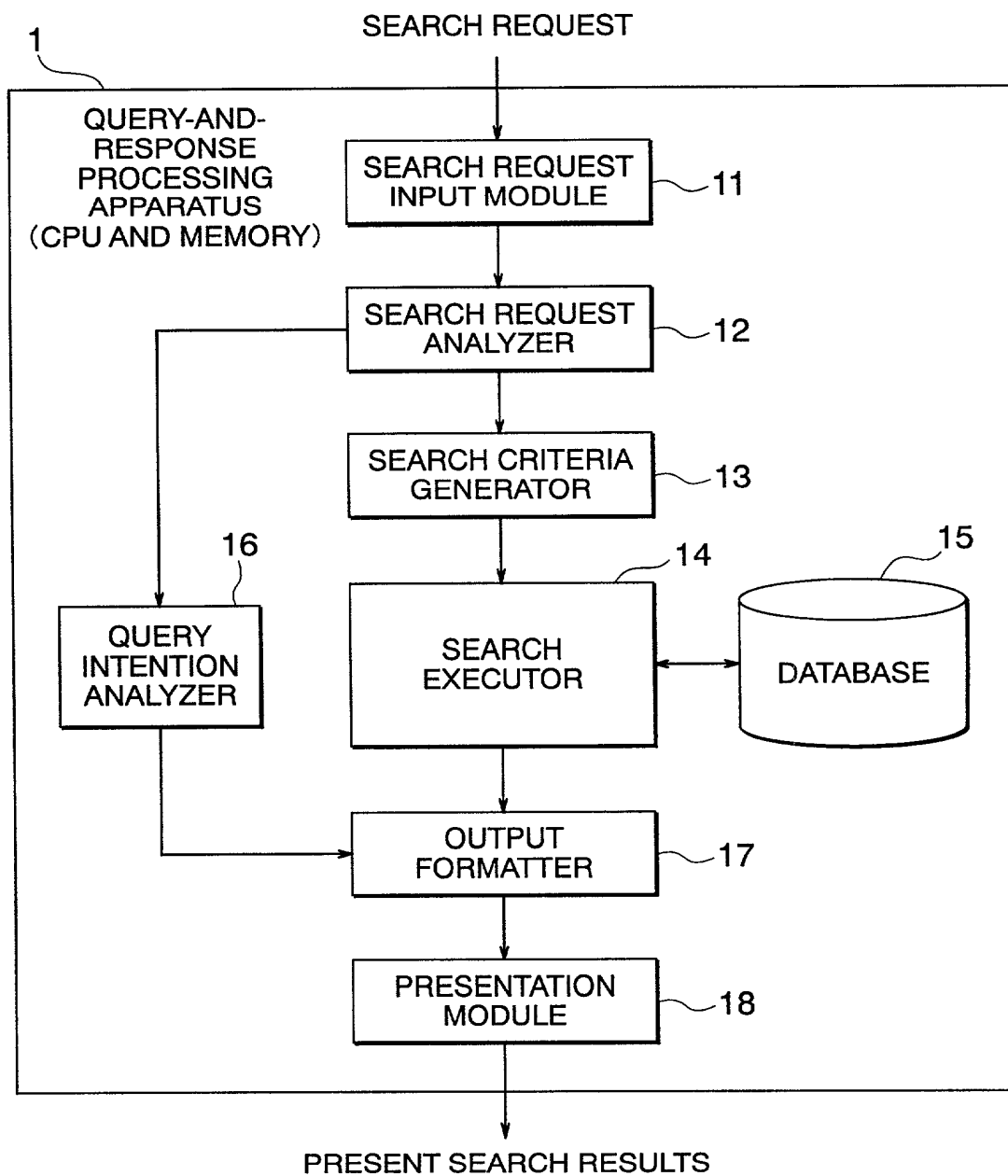


FIG. 2

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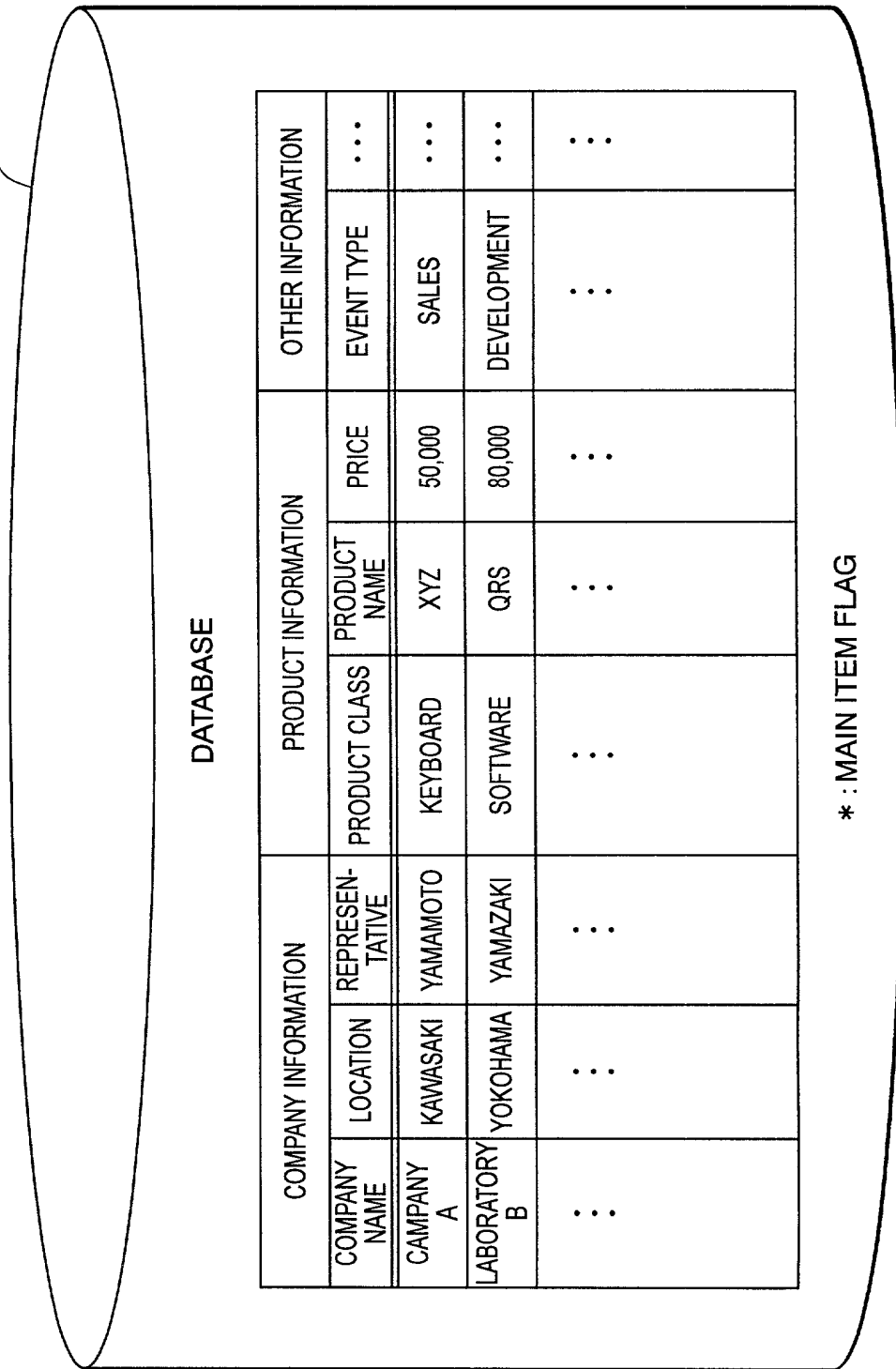


FIG. 3

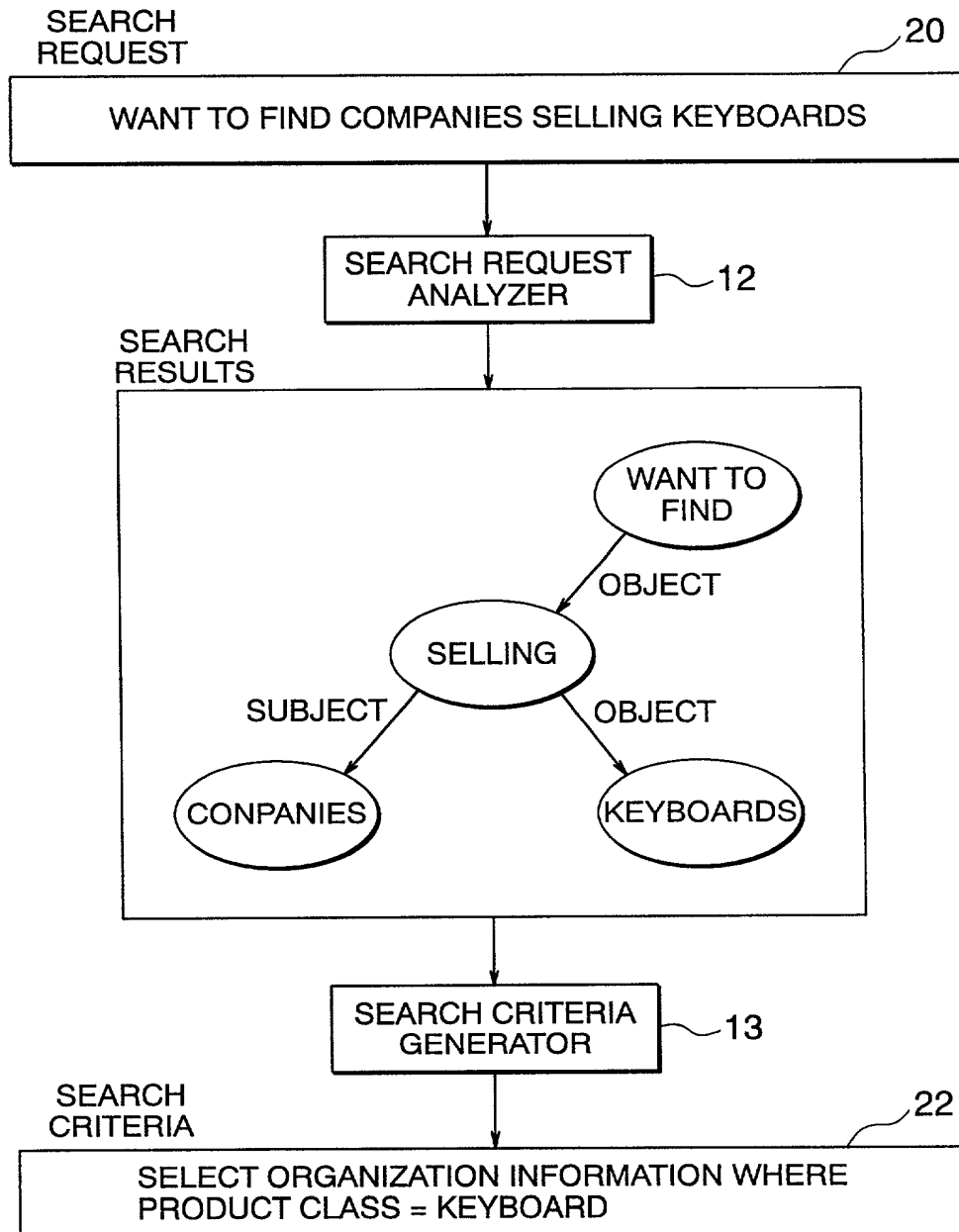
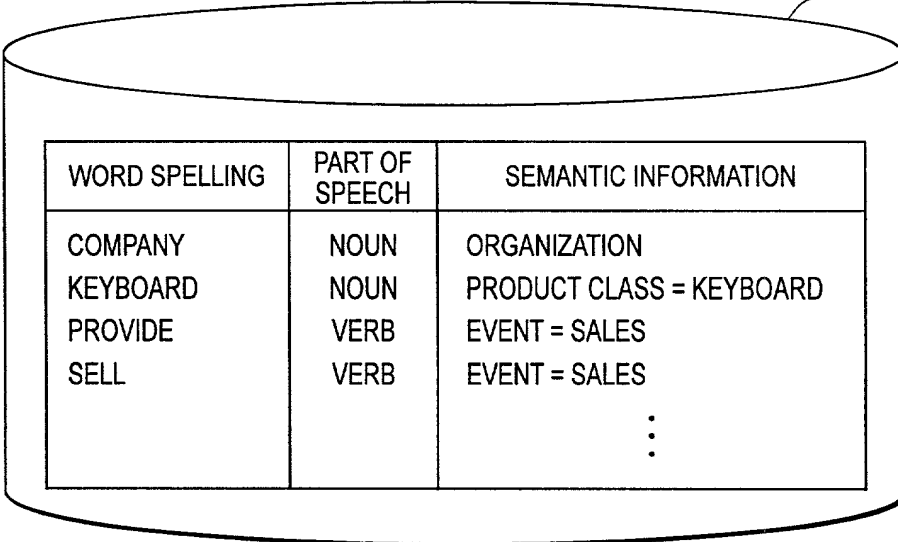


FIG. 4

ANALYSIS DICTIONARY

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WORD SPELLING	PART OF SPEECH	SEMANTIC INFORMATION
COMPANY	NOUN	ORGANIZATION
KEYBOARD	NOUN	PRODUCT CLASS = KEYBOARD
PROVIDE	VERB	EVENT = SALES
SELL	VERB	EVENT = SALES
		⋮

FIG. 5

SEARCH CRITERIA GENERATOR

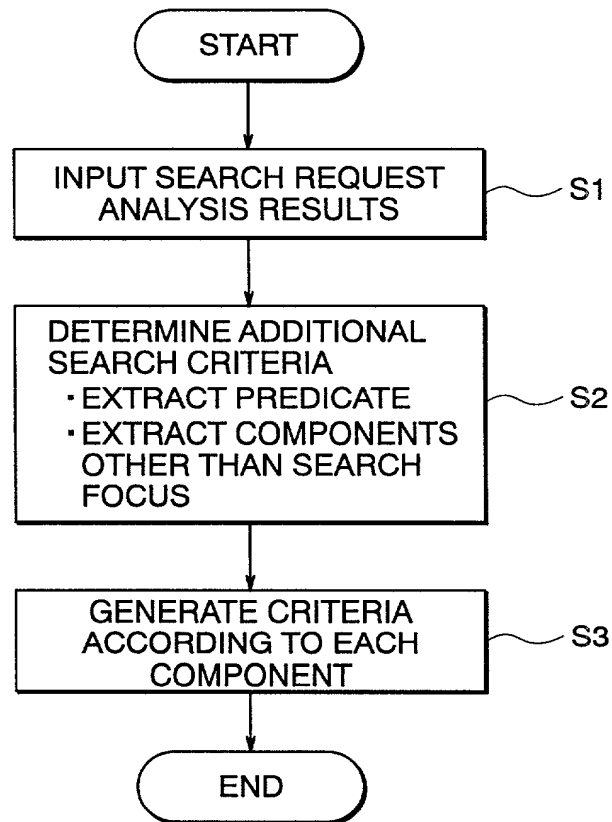


FIG. 6

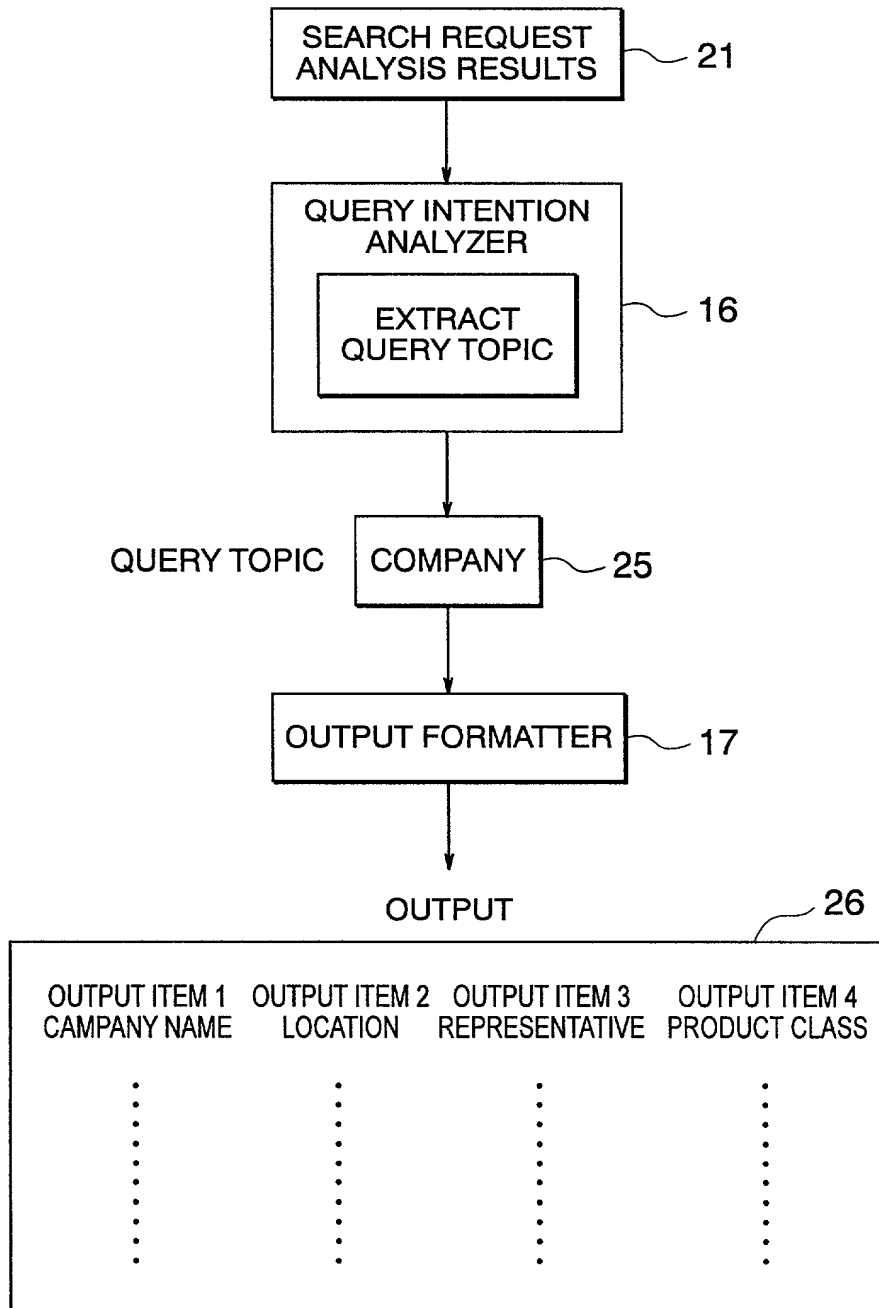


FIG. 7

QUERY INTENTION ANALYZER

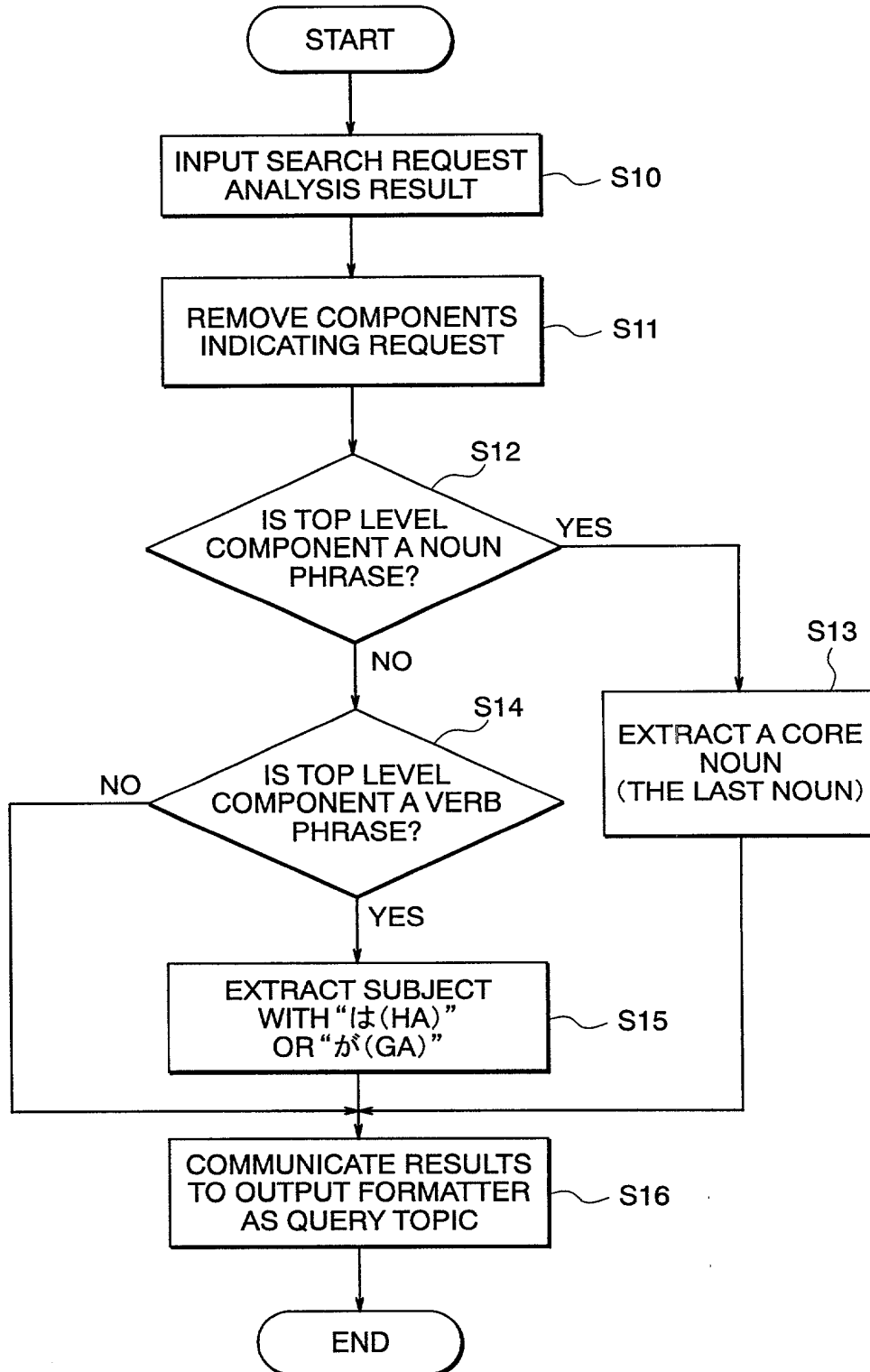


FIG. 8

OUTPUT FORMATTER

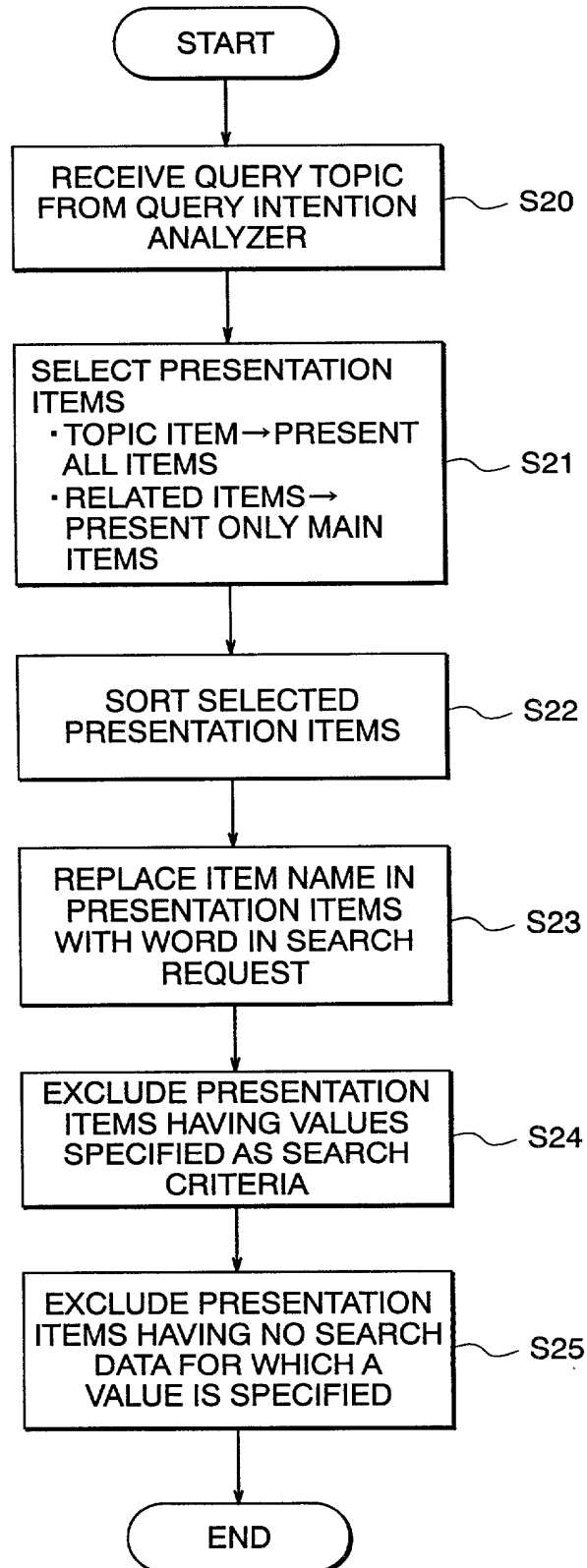


FIG. 9

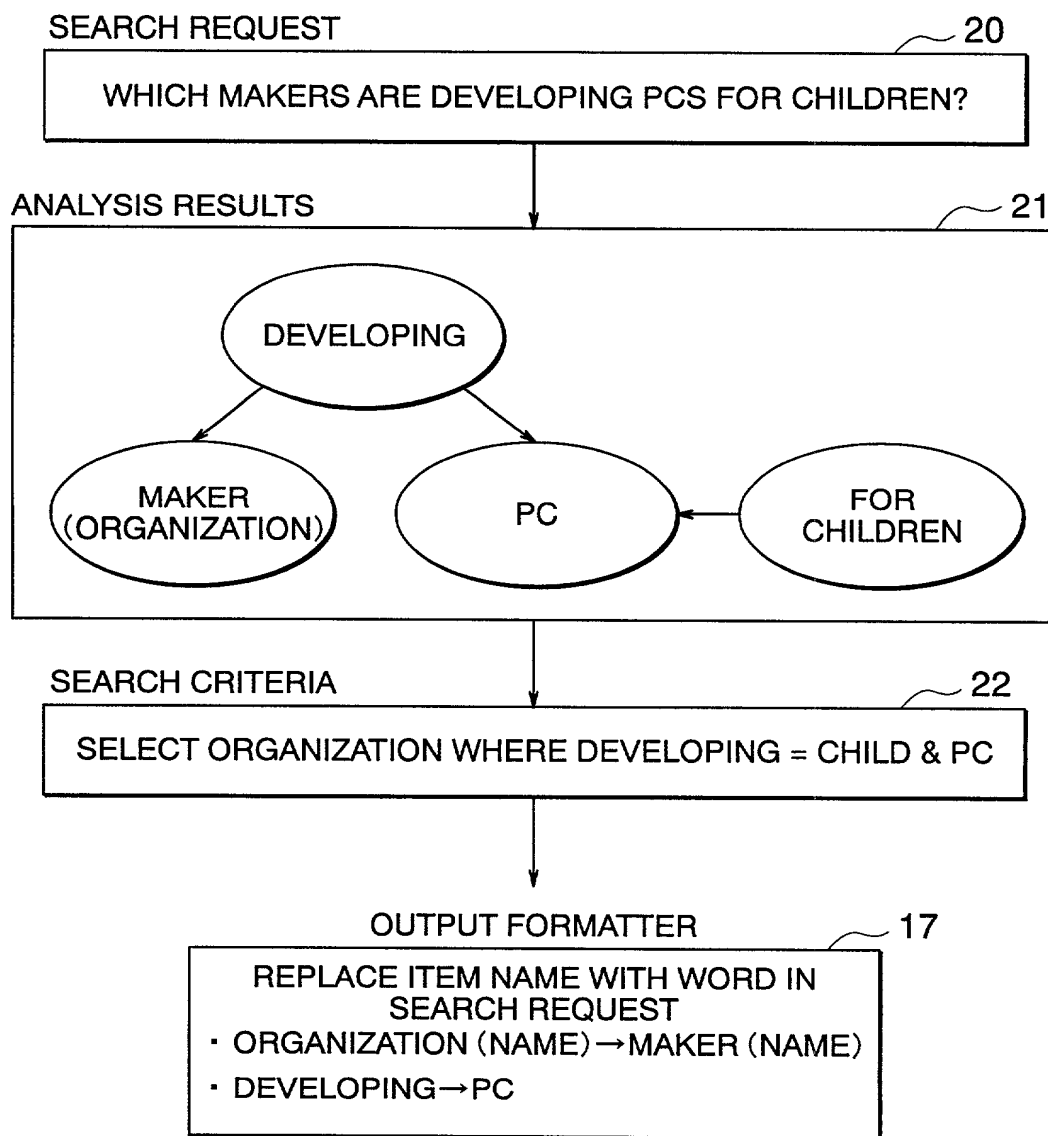


FIG. 10

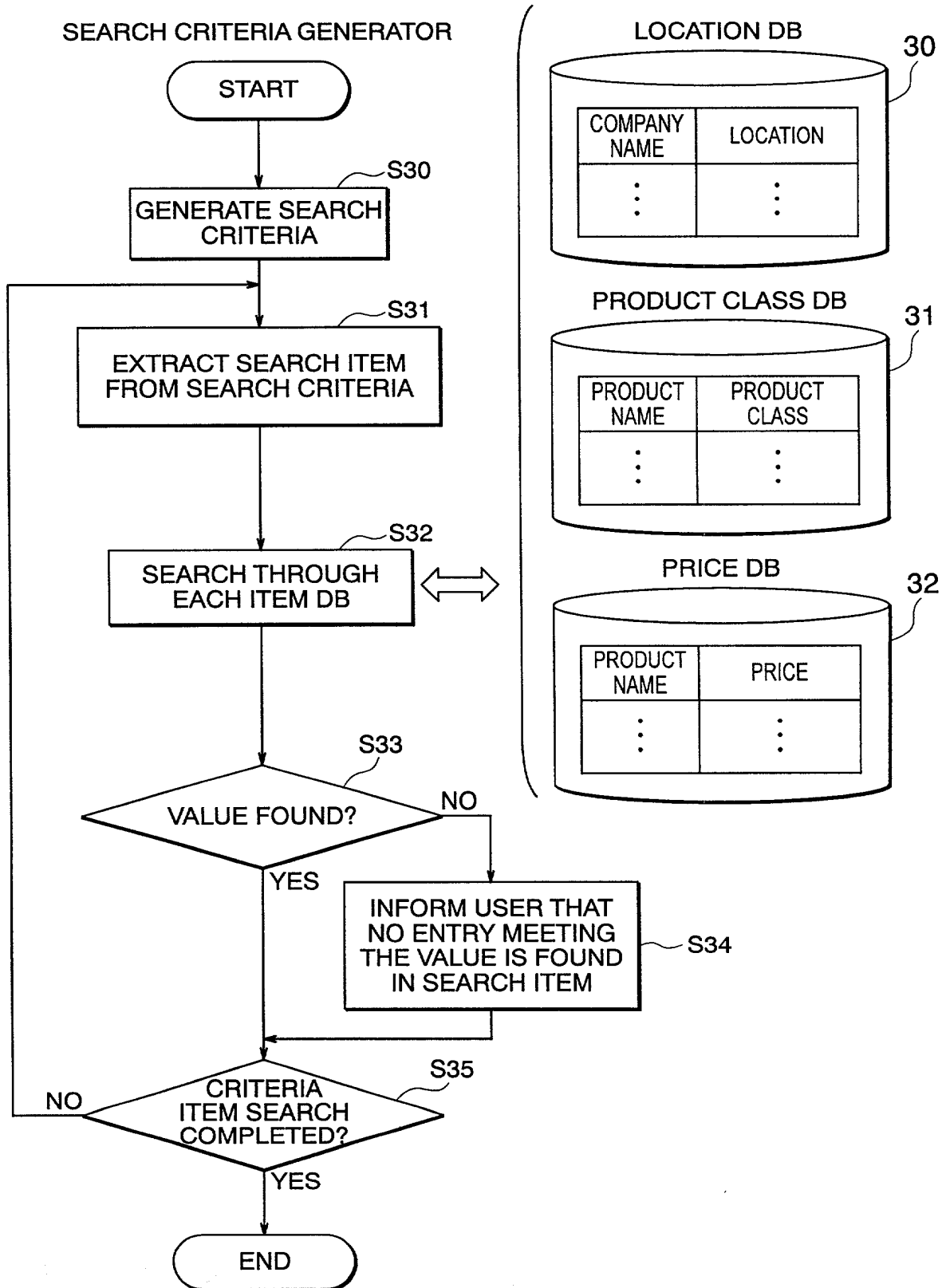


FIG. 11

SEARCH CRITERIA GENERATOR

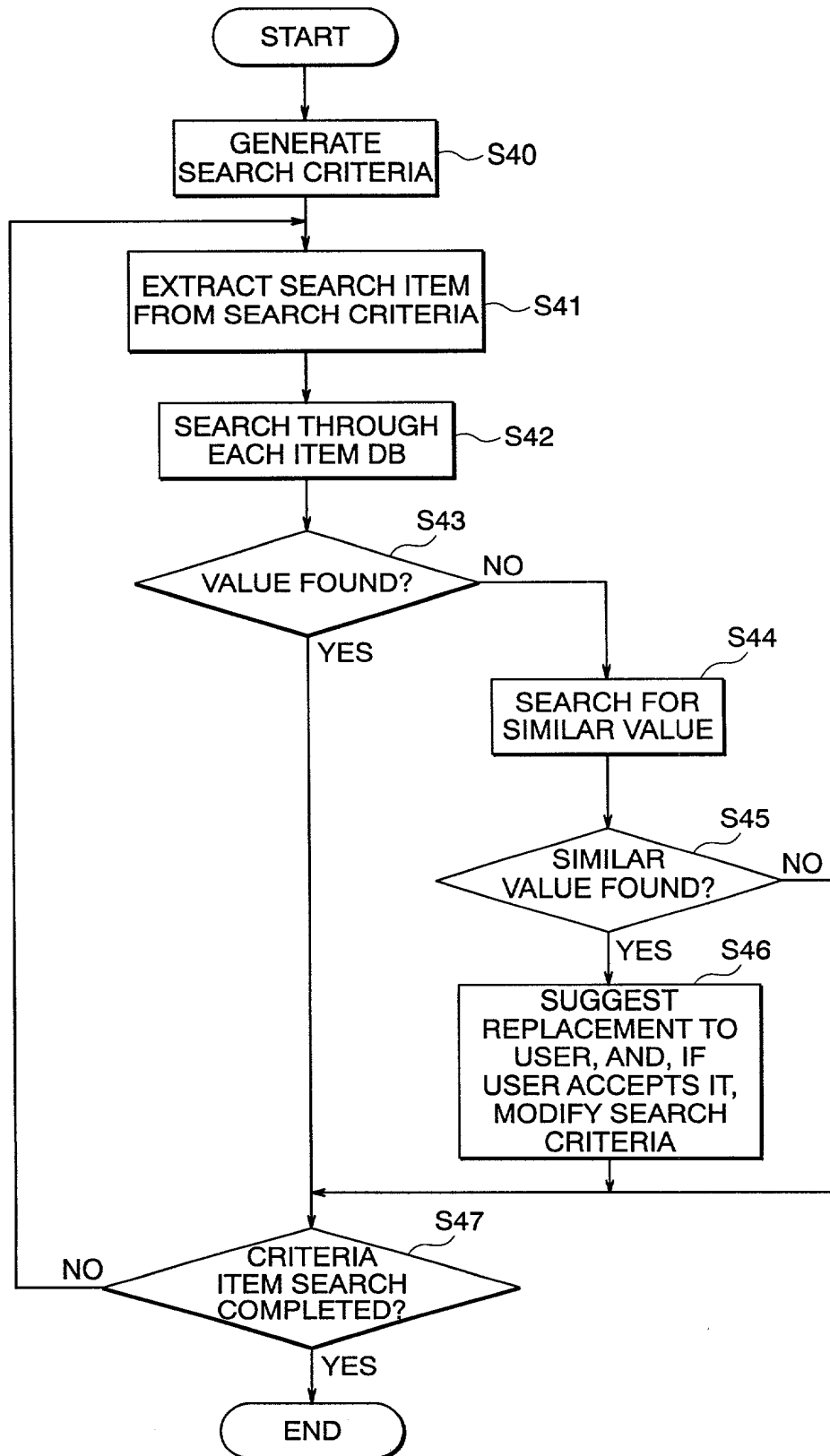


FIG. 12

SEARCH CRITERIA GENERATOR

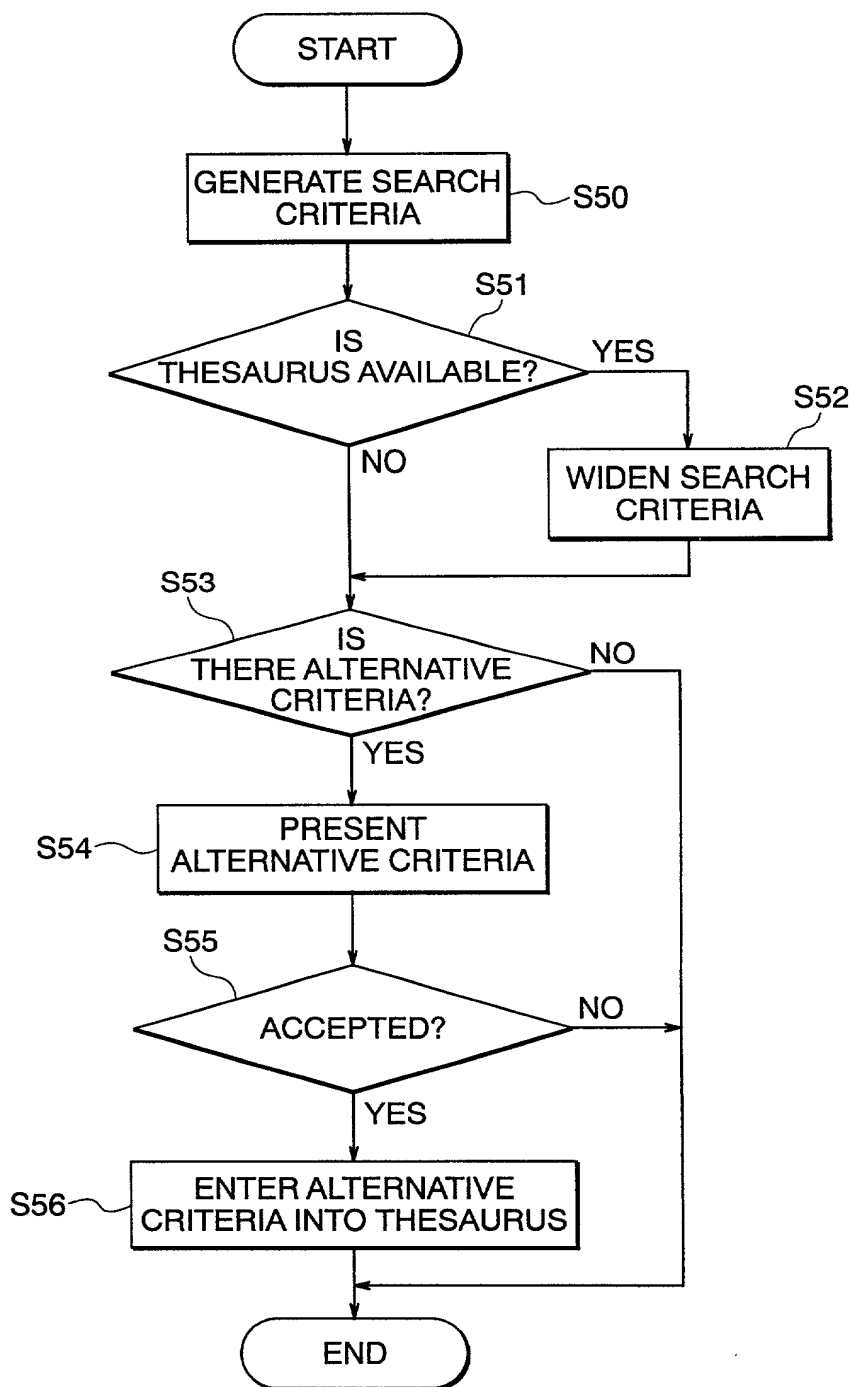


FIG. 13A

WIDENING SEARCH CRITERIA

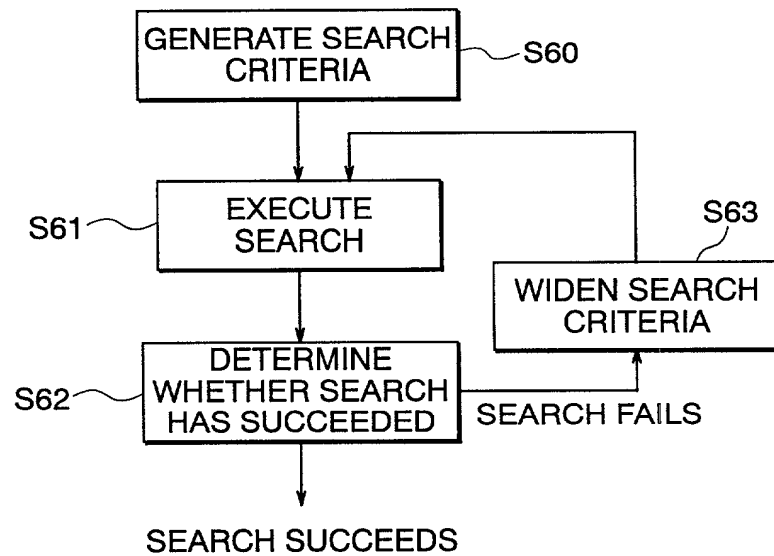


FIG. 13B

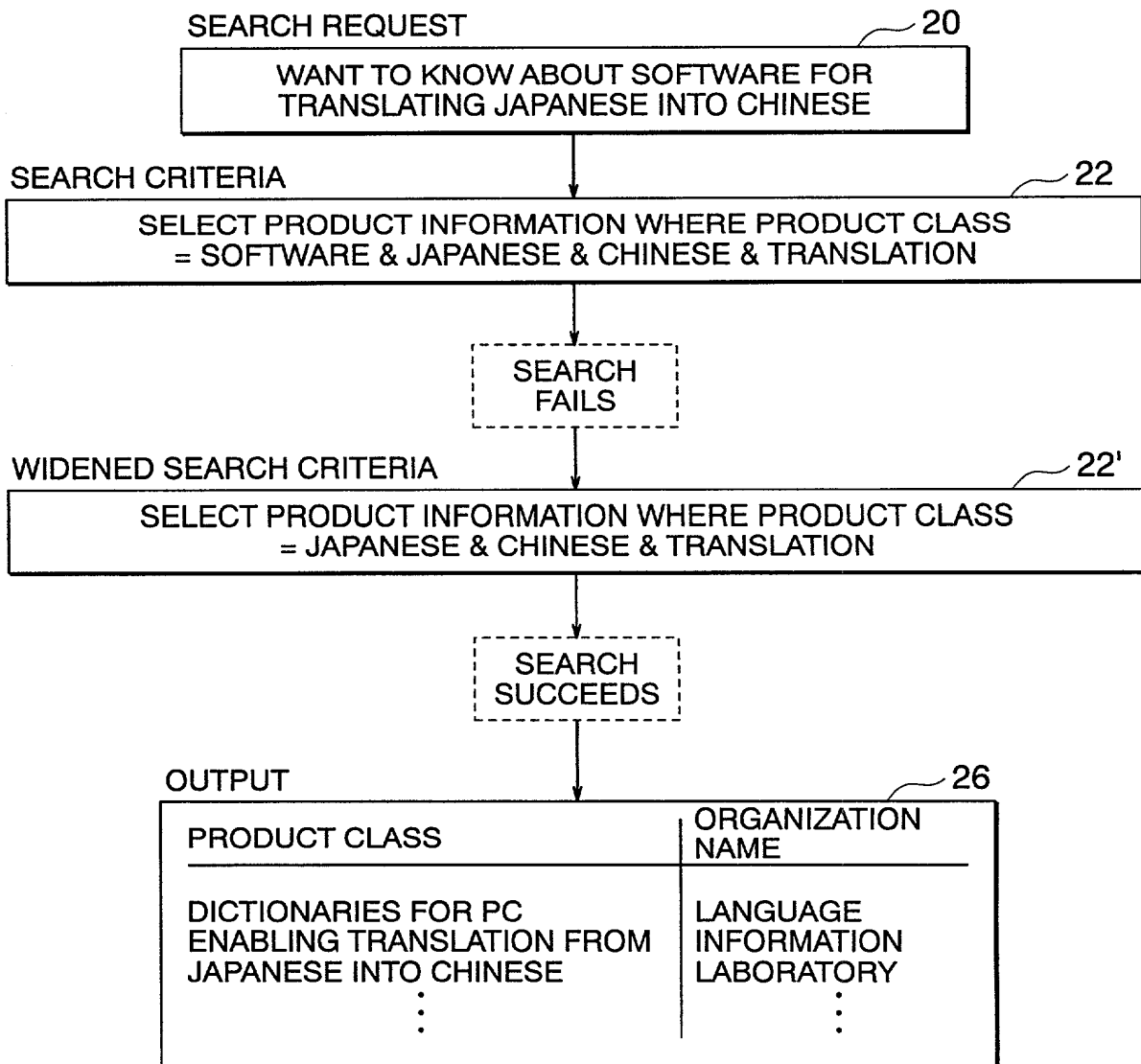


FIG. 14A

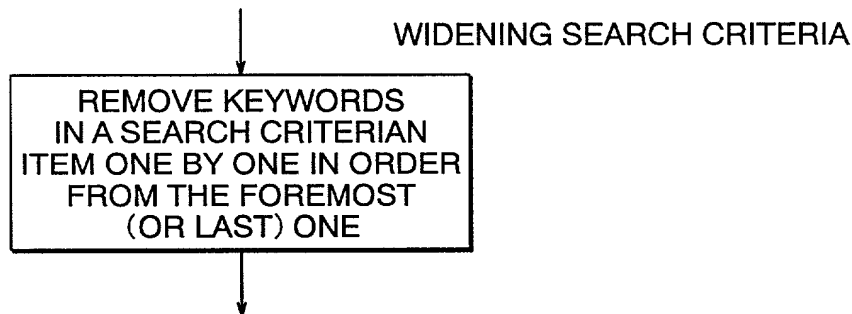


FIG. 14B

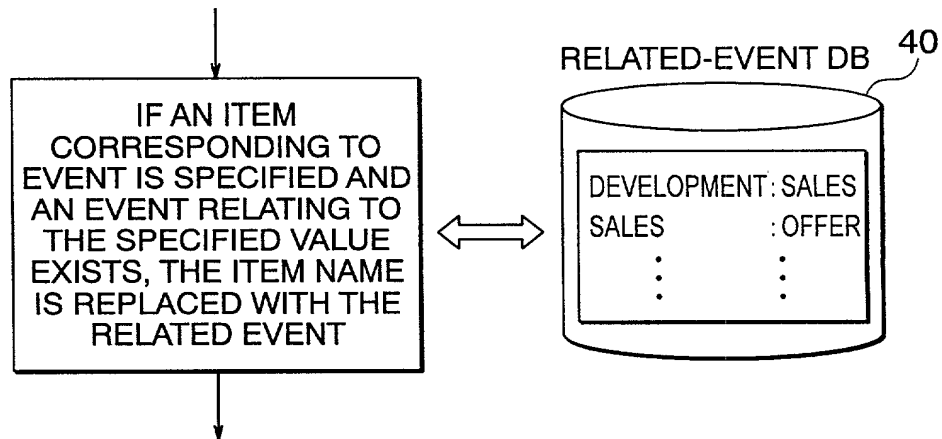


FIG. 14C

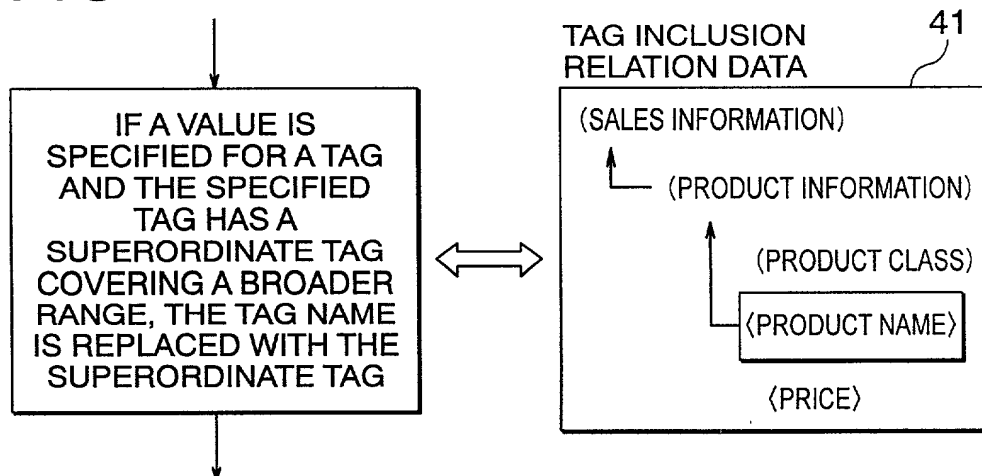


FIG. 15

CONFIRMING SEARCH AREA

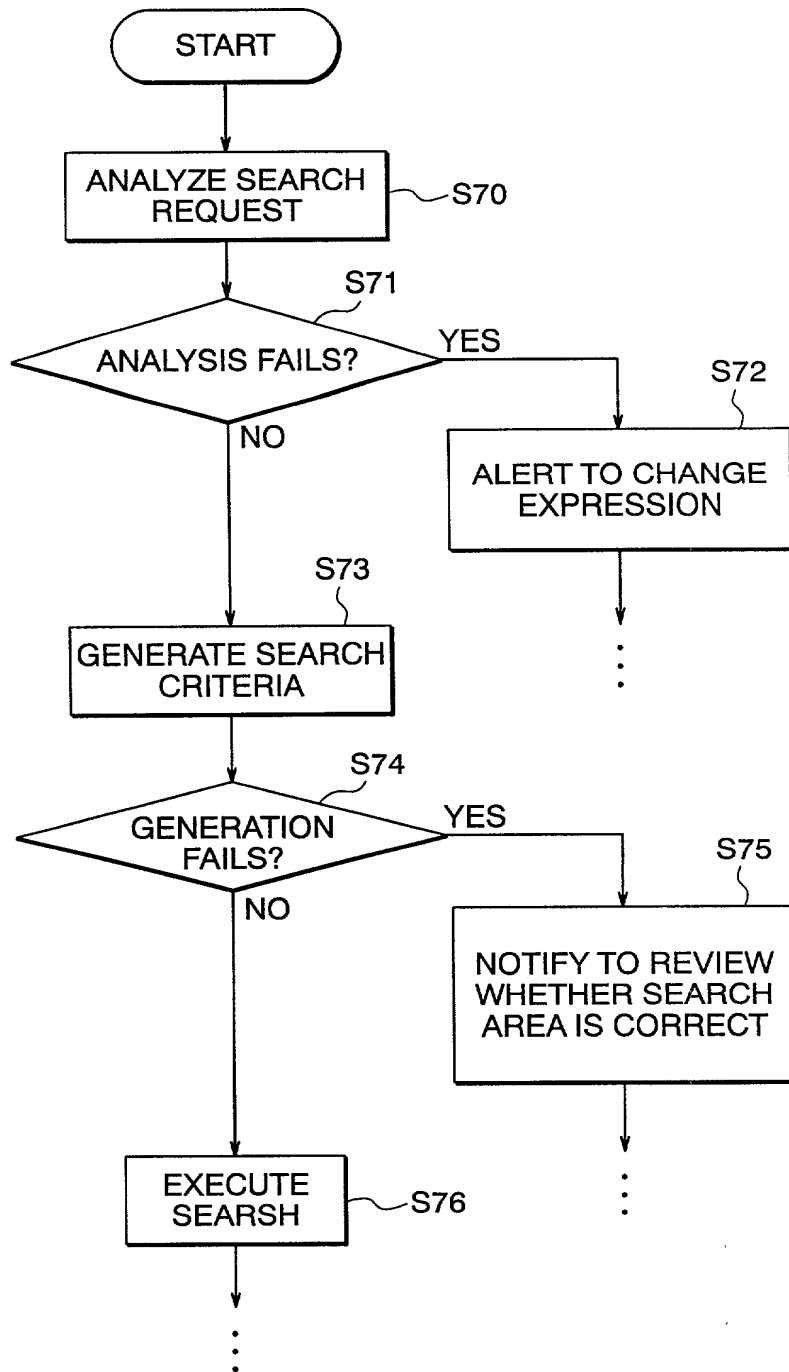


FIG. 16

DETERMINING SEARCH AREA

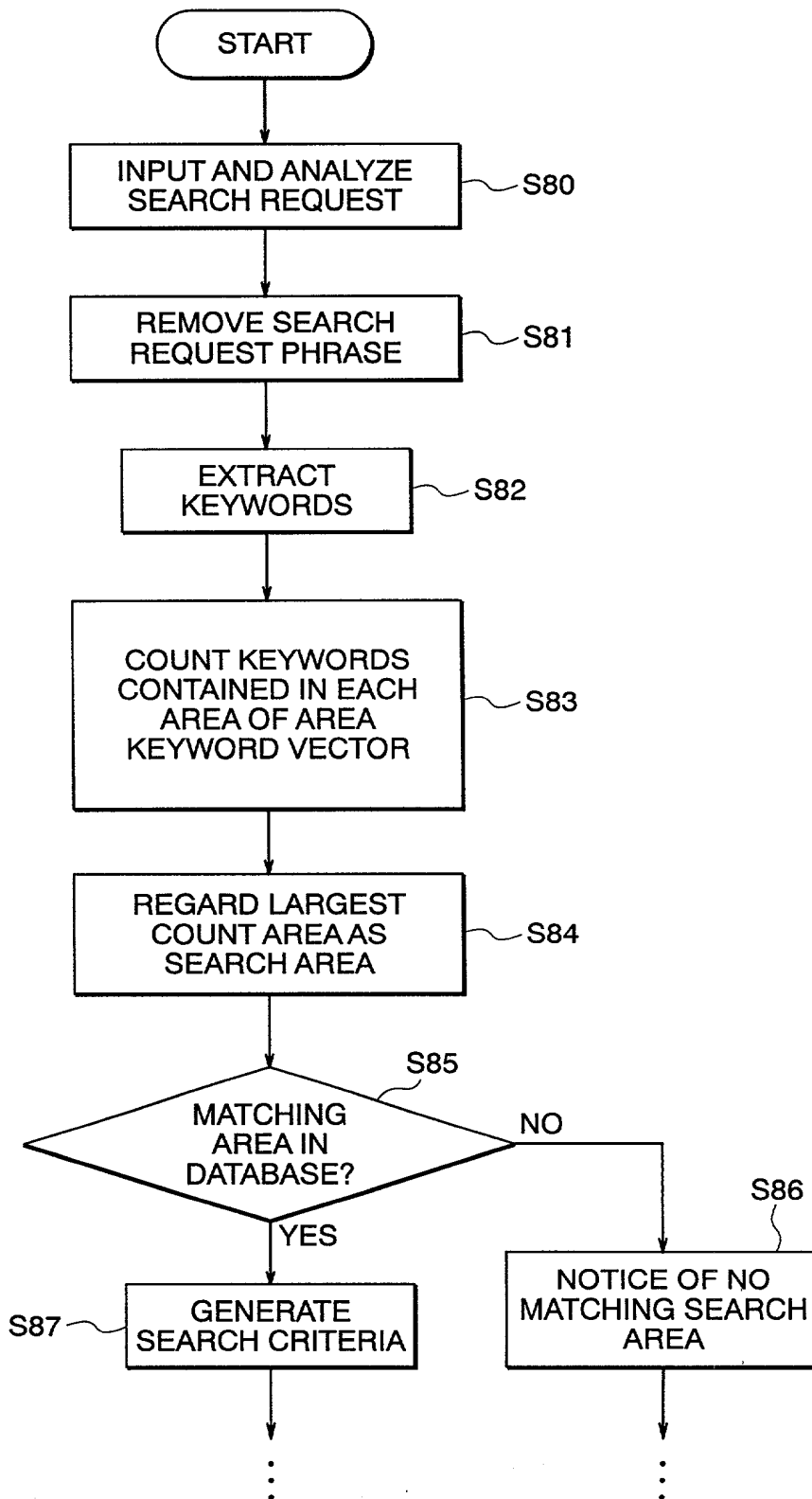


FIG. 17

SEARCH CRITERIA GENERATOR

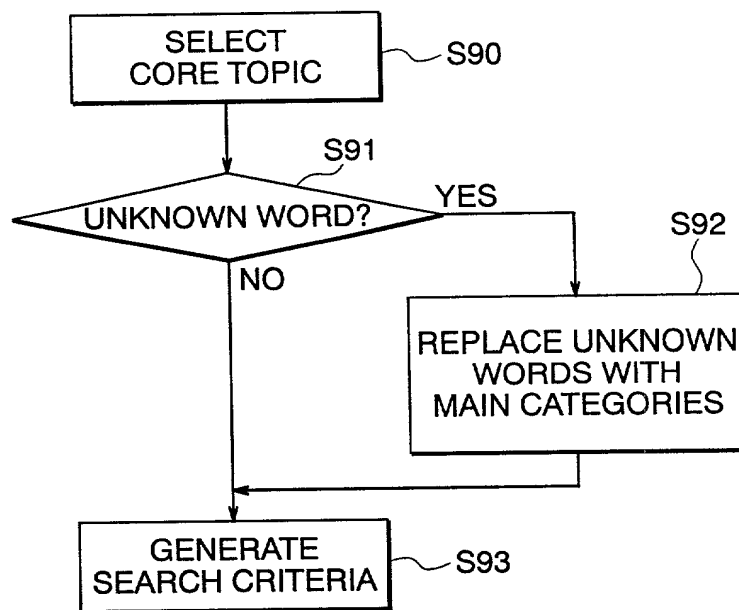


FIG. 18

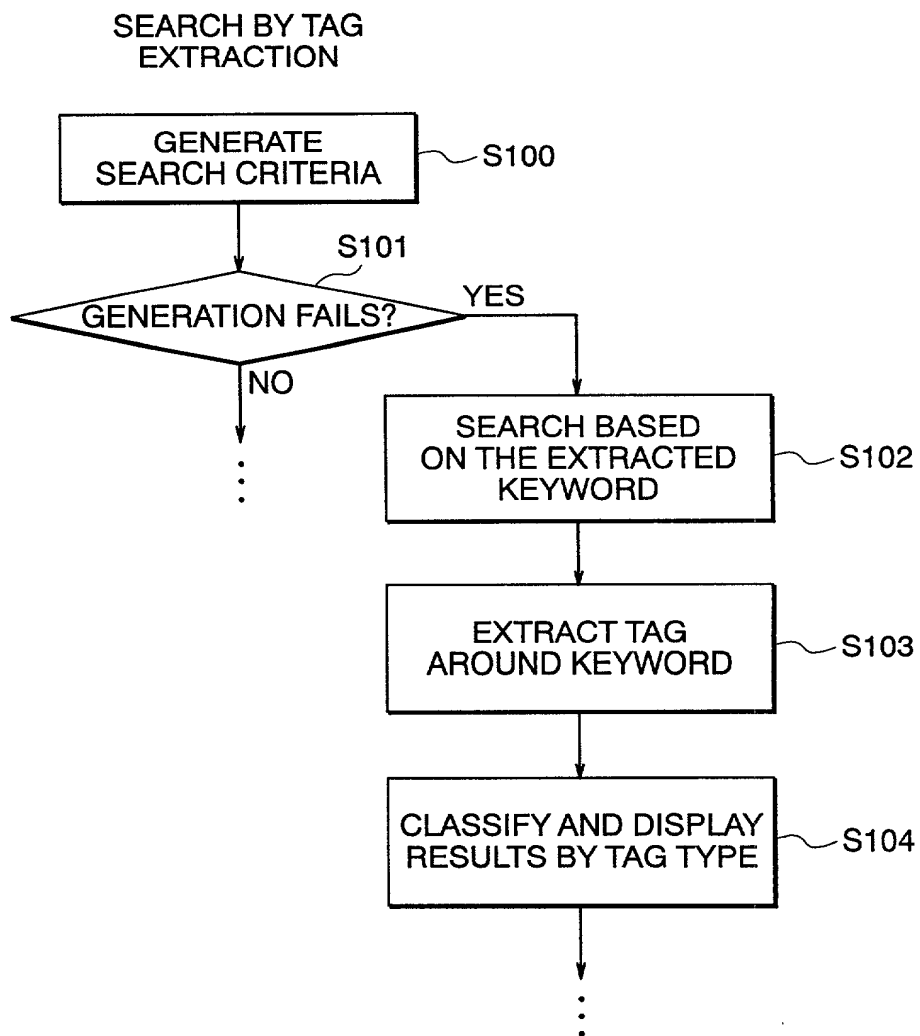


FIG. 19

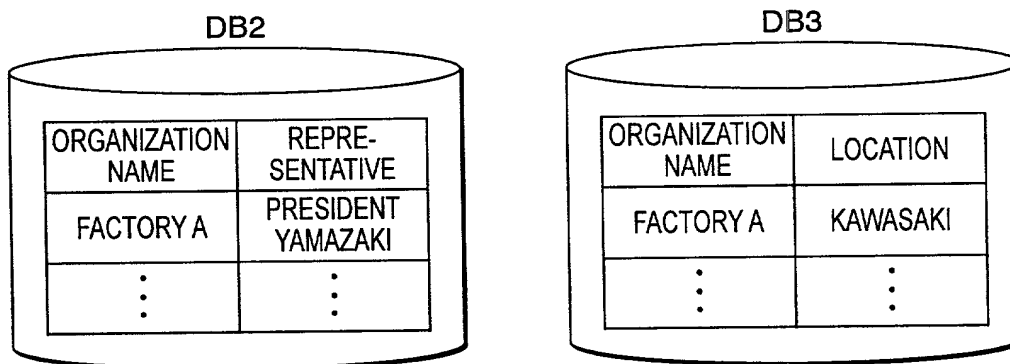
PROCESS FOR COMPLEMENTING TEXT IN DATABASE

(A) CORRESPONDENCE TABLE BETWEEN TAGS AND SECONDARY DBS

TAG ITEM	A	B	REPRESENTATIVE	LOCATION
SECONDARY DB	NONE	DB1	DB2	DB3

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(B)



(C) ESSENTIAL ITEM LIST

ORGANIZATION	ORGANIZATION NAME	LOCATION	REPRESENTATIVE
PRODUCT	PRODUCT CLASS	PRODUCT NAME	PRICE
⋮	⋮	⋮	⋮

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(D) TEXT

<ORGANIZATION NAME> FACTORY A </ORGANIZATION NAME>

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(E) COMPLEMENT TEXT

<ORGANIZATION NAME> FACTORY A </ORGANIZATION NAME>
<REPRESENTATIVE> PRESIDENT YAMAZAKI
</REPRESENTATIVE> <LOCATION> KAWASAKI </LOCATION>

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FIG. 20

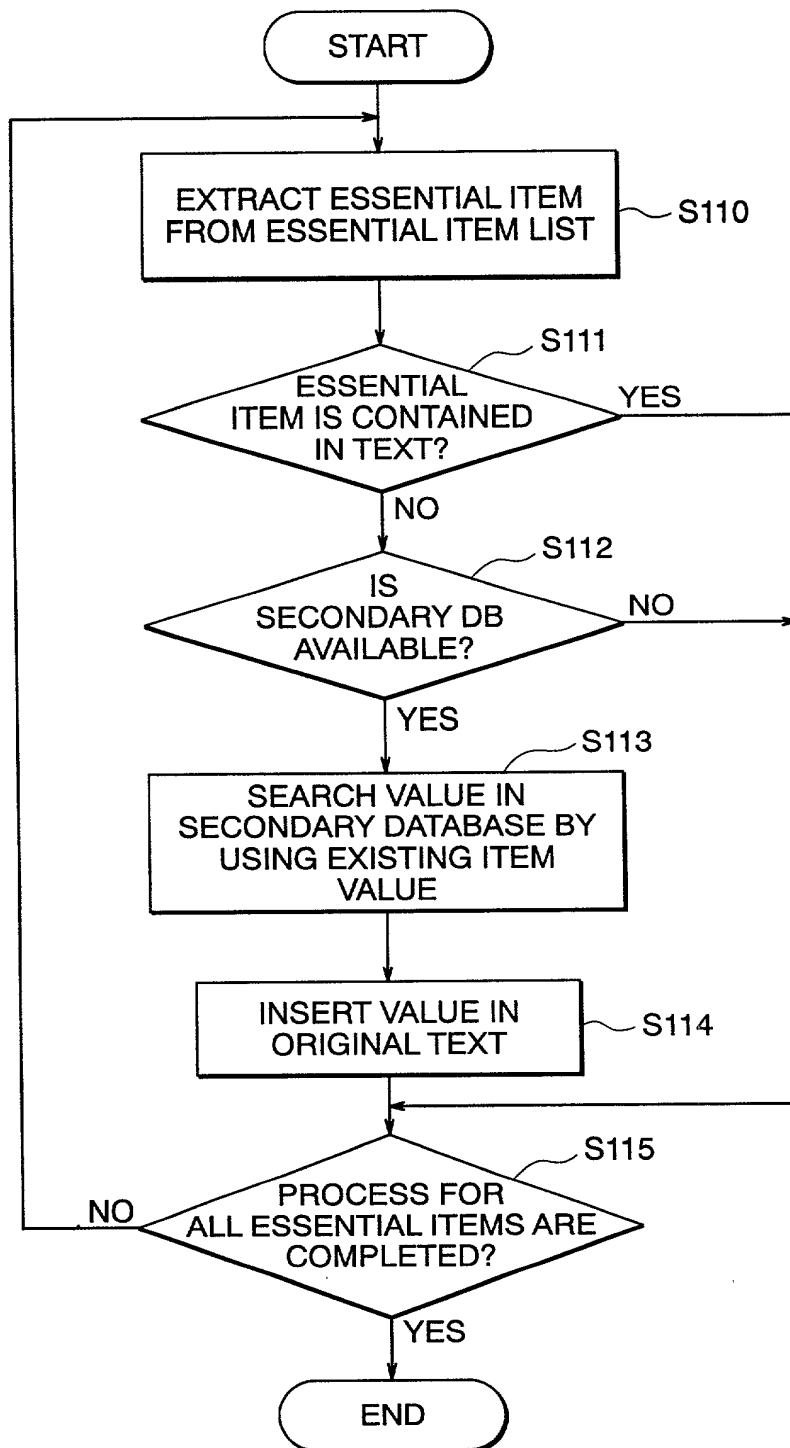


FIG. 21

